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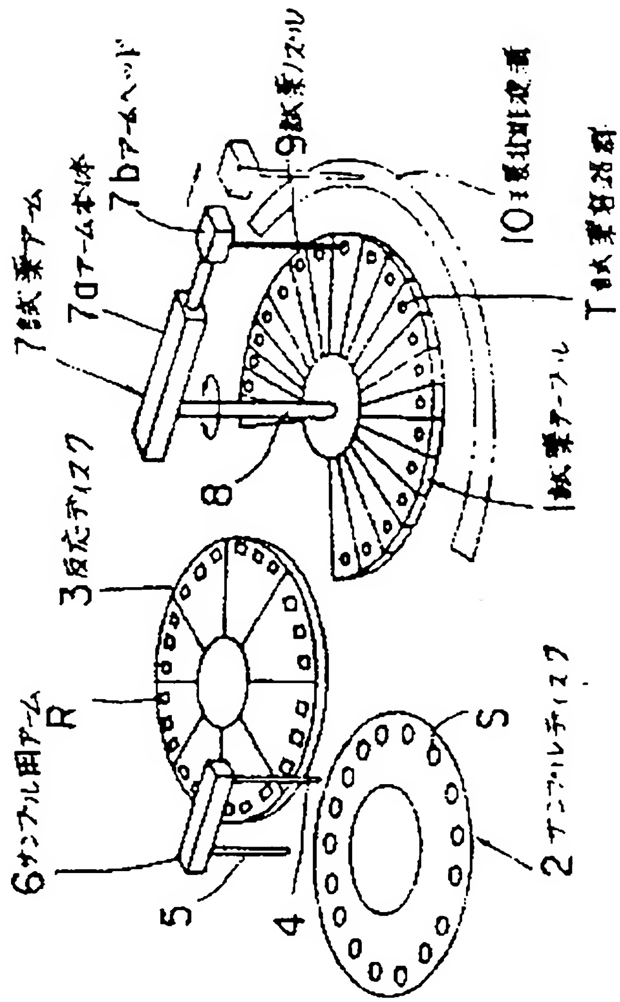
(54) DISTRIBUTION NOZZLE APPARATUS OF AUTOMATIC CHEMICAL ANALYZER

(57) Abstract:

PURPOSE: To prevent a mixing accident of a reagent or sample, by setting the moving route of a reagent or sample distribution nozzle to a position different from the position row of other arranged reagent or sample container group.

CONSTITUTION: A reagent is sucked from a reagent container group T by a reagent nozzle 9 while a sample is sucked from a sample container group S by a sampling nozzle 4 and, thereafter, the reagent nozzle 9 and the sampling nozzle 4 are revolved and moved to be distributed in a reaction cell group R to perform reaction. A reagent arm 7 supporting the reagent nozzle 9 is constituted so as to be extensible. A predetermined amount of the reagent is sucked by the reagent nozzle 9 and the arm 7 is extended next in the outside direction to displace the reagent nozzle 9 above an annular drain groove 10. The arm 7 is revolved in this state and the reagent nozzle 9 is moved directly above the objective reaction cell R to distribute the reagent. By this method, the mixing of the reagents is prevented. The moving mechanism of the nozzle 4 is constituted in the same way. Therefore, the mixing accident of the reagent or sample can be perfectly prevented.


1 試薬テーブル
2 サンプルディスク
3 反応ディスク
4
5
6 サンプル用アーム
7 試薬アーム
7a アーム本体
7b アームヘッド
8
9 試薬ノズル
R
S